



Sheet 1 of 2

FORM PTO-1449	Atty. Docket No.: M61.12-0585	Appl. No.: 10/724,008
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	First Named Inventor:	
	Zicheng Liu et al.	
	Filing Date	Group Art:
	November 26, 2003	2641

U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
/DG/	AA	6,664,713	12/16/03	Boesen	310	328
	AB	6,560,468	05/06/03	Boesen	455	568
	AC	6,094,492	07/25/00	Boesen	381	312
	AD	6,408,081	06/18/02	Boesen	381	312
	AE	5,933,506	08/03/99	Aoki et al.	381	151
	AF	6,542,721	04/01/03	Boesen	455	90
	AG	5,404,577	04/04/95	Zuckerman et al.	455	66
	AH	3,746,789	07/17/73	Alcivar	179	1
	AI	5,054,079	10/01/91	Frielingsdorf et al.	381	151
	AJ	6,175,633	01/16/01	Morrill et al.	381	71.6
	AK	5,295,193	03/15/94	Ono	381	151
	AL	5,692,059	11/25/97	Kruger	381	151
	AM	5,757,934	05/26/98	Yokoi	381	68.3
	AN	5,151,944	09/29/92	Yamamura	381	151
	AO	3,787,641	01/22/74	Santori	179	107
	AP	2003/0125081	07/03/03	Boesen	455	556
	AQ	2002/0198021	12/26/02	Boesen	455	556
	AR	2001/0027121	10/04/01	Boesen	455	556
	AS	2003/0083112	05/01/03	Fukuda	455	568
	AT	10/629,278	07/29/03	Huang et al.		
	AU	10/785,768	02/24/04	Sinclair et al.		
↓	AV	10/636,176	08/07/03	Huang et al.		

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FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
/DG/	AW	JP2002-125298	04/26/02	Japan			Abstract Only
	AX	JP20002-09688	07/28/00	Japan			Abstract Only
	AY	JP2002-358089	12/13/02	Japan			Abstract Only
	AZ	JP10-023123	01/23/98	Japan			Abstract Only
	BA	JP10-023122	01/23/98	Japan			Abstract Only
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	BC	JP11265199	09/28/99	Japan			Abstract Only
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	BF	JP3108997	05/09/91	Japan			Abstract Only
	BG	JP5276587	10/22/93	Japan			Abstract Only
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	BK	JP2000261534	09/22/00	Japan			Abstract Only
↓	BL	EP 0 951 883	10/27/99	EPO			

EXAMINER: /Douglas Godbold/

DATE CONSIDERED: 04/09/2007

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FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
/DG/	AO	JP2001245397	28.02.00	Japan			Abstract Only
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↓	AR	2 390 264	31.12.03	UK			
↓	AS	2 375 276	06.11.02	UK			

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/DG/	AA	5,197,091	3/1993	Takagi et al.	379	433.12
	AB	5,446,789	8/1995	Loy et al.		
	AC	5,555,449	9/1996	Kim	379	433.03
	AD	5,828,768	10/1998	Eatwell et al.	381	333
	AE	5,943,627	8/1999	Kim et al.	379	426
	AF	5,983,073	11/1999	Ditzik	455	11.1
	AG	6,028,556	2/2000	Shiraki	343	702
	AH	6,052,464	4/2000	Harris et al.	379	433
	AI	6,052,567	4/2000	Ito et al.	455	90
	AJ	6,125,284	9/2000	Moore et al.	455	557
	AK	6,137,883	10/2000	Kaschke et al.	379	433.07
	AL	6,243,596	6/2001	Kikinis	429	8
	AM	6,308,062	10/2001	Chien et al.	455	420
	AN	6,760,600	7/2004	Nickum	455	557
	AO	6,339,706	1/2002	Tillgren et al.	455	419
	AP	6,675,027	1/2004	Huang	455	575
✓	AQ	2004/0092297	05/13/04	Huang		

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
/DG/	AR	EP 0 720 338 A2	7/1996	EPO			
	AS	EP 0 854 535 A2	7/1998	EPO			
	AT	EP 0 939 534 A1	9/1999	EPO			
	AU	JP 2000196723	7/2000	Japan			Abstract only
	AV	WO 93/01664	1/1993	WIPO			
	AW	WO 95/17746	6/1995	WIPO			
	AX	WO 99/04500	1/1999	WIPO			
✓	AY	WO 00/45248	8/2000	WIPO			

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		Document No.	Date	Country	Class	Sub Class	Translation Yes No
/DG/	AQ	2 761 800	02.04.97	France			(Abstract)

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Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
/DG/	AA	3,383,466	05/14/68	W.A. Hilix et al.	179	1
	AB	5,647,834	07/15/97	Ron	600	23
	AC	6,343,269	01/29/02	Harada et al.	704	243
	AD	6,594,629	07/15/03	Basu et al.	704	251
	AE	2003/0144844 A1	07/31/03	Colmenarez et al.	704	273
	AF	5,197,091	3/1993	Takagi et al.	379	433.12
	AG	5,446,789	8/1995	Loy et al.		
	AH	5,555,449	9/1996	Kim	379	433.03
	AI	5,828,768	10/1998	Eatwell et al.	381	333
	AJ	5,943,627	8/1999	Kim et al.	379	426
	AK	5,983,073	11/1999	Ditzik	455	11.1
	AL	6,028,556	2/2000	Shiraki	343	702
	AM	6,052,464	4/2000	Harris et al.	379	433
	AN	6,052,567	4/2000	Ito et al.	455	90
	AO	6,125,284	9/2000	Moore et al.	455	557
	AP	6,137,883	10/2000	Kaschke et al.	379	433.07
	AQ	6,243,596	6/2001	Kikinis	429	8
	AR	6,308,062	10/2001	Chien et al.	455	420
	AS	6,760,600	7/2004	Nickum	455	557
	AT	6,339,706	1/2002	Tillgren et al.	455	419
	AU	6,675,027	1/2004	Huang	455	575
V	AV	2004/0092297	05/13/04	Huang		
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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/DG/	AW	O.M. Strand, T. Holter, A. Egeberg, and S. Stensby, "On the Feasibility of ASR in Extreme Noise Using the PARAT Earplug Communication Terminal," ASRU 2003, St. Thomas, U.S. Virgin Islands, Nov. 20-Dec. 4, 2003.
	AX	Z. Zhang, Z. Liu, M. Sinclair, A. Acero, L. Deng, J. Droppo, X. D. Huang, Y. Zheng, "Multi-Sensory Microphones For Robust Speech Detection, Enchantment, and Recognition," ICASSP 04, Montreal, May 17-21, 2004.
	AY	Search Report dated December 17, 2004 from International Application No. 04016226.5.
	AZ	Copy of European Search Report from Application No. 05107921.8, filed August 30, 2005.
	BA	Copy of European Search Report from Application No: 05108871.4, filed September 26, 2005.
	BB	http://www.snaptrack.com/ (2004)
	BC	http://www.misumi.com.tw/PLIST.ASP?PC.ID:21 (2004)
	BD	http://www.wherifywireless.com/univLoc.asp (2001)
	BE	http://www.wherifywireless.com/prod.watches.htm (2001)
	BF	Microsoft Office, Live Communications Server 2003, Microsoft Corporation, pp. 1-10, 2003.
	BG	Shoshana Berger, http://www.cnn.com/technology , "Wireless, wearable, and wondrous tech," 1/17/03.
	BH	http://www.3G.co.uk , "NTT DoCoMo to Introduce First Wireless GPS Handset," 03/27/03.
	BI	"Physiological Monitoring System 'Lifeguard' System Specifications," Stanford University Medical Center, National Biocomputation Center, 11/8/02.
	BJ	Nagl, L., "Wearable Sensor System for Wireless State-of-Health Determination in Cattle," Annual International Conference of the Institute of Electrical and Electronics Engineers' Engineering in Medicine and Biology Society, 2003.
	BK	Asada, H. and Barbagelata, M., "Wireless Fingernail Sensor for Continuous Long Term Health Monitoring," MIT Home Automation and Healthcare Consortium, Phase 3, Progress Report No.3-1, April 2001.
✓	BL	Kumar, V., "The Design and Testing of a Personal Health System to Motivate Adherence to Intensive Diabetes Management," Harvard-MIT Division of Health Sciences and Technology, pp. 1-66, 2004.

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

/DG/	BM	Bakar, "The Insight of Wireless Communication," Research and Development, 2002, Student Conference on July 16-17, 2002.
	BN	Zheng Y. et al., "Air and Bone-Conductive Integrated Microphones for Robust Speech Detection and Enhancement" Automatic Speech Recognition and Understanding 2003. pp. 249-254.
	BO	De Cuetos P. et al. "Audio-visual intent-to-speak detection for human-computer interaction" Vol. 6, June 5, 2000. pp. 2373-2376.
	BP	M. Graciarena, H. Franco, K. Sonmez, and H. Bratt, "Combining Standard and Throat Microphones for Robust Speech Recognition," IEEE Signal Processing Letters, vol. 10, no. 3, pp. 72-74, March 2003.
	BQ	P. Heracleous, Y. Nakajima, A. Lee, H. Saruwatari, K. Shikano, "Accurate Hidden Markov Models for Non-Audible Murmur (NAM) Recognition Based on Iterative Supervised Adaptation," ASRU 2003, St. Thomas, U.S. Virgin Islands, Nov. 20-Dec. 4, 2003.

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Sub Class	Translation Yes No
/DG/	BR	WO 02/077972 A1	03.10.02	PCT			
	BS	WO 03/055270 A1	03.07.03	PCT			
	BT	EP 1 569 422	31.08.05	EP			X
	BU	DE 199 17 169	02.11.00	Germany			X
	BV	EP 1 333 650	06.08.03	EP			X
	BW	WO 02/098169 A1	12/05/02	WO			
	BX	JP2001245397	28.02.00	Japan			Abstract Only
	BY	JP2001119797	15.10.99	Japan			Abstract Only
	BZ	2 761 800	02.04.97	France			X
	CA	2 390 264	31.12.03	UK			
	CB	2 375 276	06.11.02	UK			
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	CD	20012924989	19.10.01	Matsuda Munehiro			Japan Abstract only

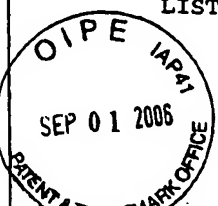
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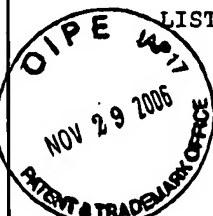
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/DG/	AA 2006/0079291	04/13/06	Granovetter et al.	455	563	
	AB 2006/0072767	04/06/06	Zhang et al.	381	71.6	
	AC 7,054,423	05/30/06	Nebiker et al.	379	201.01	
	AD 11/156,434	06/20/05	Zicheng et al.			
	AE 2002/075306	06/20/02	Thompson et al.			
	AF 2002/181669	12/05/02	Takatori et al.			
	AG 2002/196955	12/26/02	Boesen			
	AH 2002/057810	05/16/02	Boesen			
↓	AI 2006/0009156	01/2006	Hayes et al.	455	063.1	
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	Document No.	Date	Country	Class	Sub Class	Translation Yes No
/DG/	AH	EP 742 678	11/13/96	EP		
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	AJ	WO 2002/007477	01/24/02	WO		
	AK	WO 2000/021194	04/13/00	WO		

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/DG/	AL	Copy of Australian Search Report and Written Opinion for Foreign Application No. SG 200500289-4 filed January 18, 2005.
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/DG/	AA	4,382,164	05/1983	May, Jr., Carl, J.	704	233
	AB	4,769,845	09/1988	Nakamura, Hiroyuki	704	231
	AC	HO,001,497	10/1995	Marshall	704	276
	AD	6,006,175	12/1999	Holzrichter, John F.	704	208
	AE	6,377,919	04/2002	Burnett et al.	704	231
	AF	6,590,651	07/2003	Bambot et al.	356	338
V	AG	2003/0097254	05/2003	Holzrichter et al.	704	201

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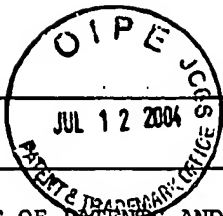
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FOREIGN PATENT DOCUMENTS

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